

WHAT IS CLAIMED IS:

1. An image data transmitting apparatus comprising:
document reading means for reading a document set
therein;

image data storing means for storing the image data of
the document resulting from reading;

communication means connected to an image data receiving
apparatus via a communication line; and

trouble detecting means for detecting a transmission
trouble which has occurred in transmitting the image data by
the communication means,

wherein when the trouble detecting means detects the
transmission trouble, a reading operation of the document
reading means and a transmission operation of the communication
means are stopped, and when the documents are set in the document
reading means thereafter again, the reading operation of the
document reading means and the transmission operation of the
communication means are restarted,

the image data transmitting apparatus further
comprising:

transmitted-sheets-number storing means for storing a
number of document sheets for which image data is completely
transmitted by the communication means by a time when the
interruption of transmission is carried out by reason of
occurrence of the transmission trouble,

wherein in retransmitting image data for all the documents, discrimination data is added to the image data for the documents to discriminate between image data which is already transmitted and image data which is not transmitted yet, based on the data stored in the transmitted-sheets-number storing means.

2. The image data transmitting apparatus of claim 1, further comprising:

read-sheets-number storing means for storing a number of document sheets for which image data resulting from reading by the document reading means is stored in the image data storing means; and

notification means for notifying a user of a number of document sheets to be reset in the document reading means for retransmission, based on the data stored in the transmitted-sheets-number storing means or the read-sheets-number storing means,

wherein for the documents reset in the document reading means reading is carried out again and resulting image data is retransmitted.

3. The image data transmitting apparatus of claim 2, wherein in retransmission of the documents reset in the document reading means after the interruption of the transmission operation

because of a transmission trouble, image data which is read for predetermined part of each of the reset documents by the document reading means is compared to image data for corresponding part of each document previously read and stored in the image data storing means, and

when the image data matches, reading of an entirety of the relevant reset document is not carried out, and

when the image data does not match, reading for the entirety of the relevant reset document is carried out.

4. An image data receiving apparatus comprising:
- communication means connected an image data transmitting apparatus via a communication line;
 - image data storing means for storing image data of transmission data received via the communication line;
 - controlling/printing means for controlling and printing image data stored in the image data storing means; and
 - discrimination-data detecting means for detecting discrimination-data for discriminating between image data previously not transmitted and image data previously transmitted has been transmitted from the image data transmitting apparatus,

wherein the controlling/printing means controls printing operation of image data previously not transmitted and printing operation of image data previously transmitted, based

on a result of detection by the discrimination-data detection means, to be different from each other.

5. The image data receiving apparatus of claim 4, wherein the printing operation of the image data previously transmitted is different from that of image data previously not transmitted, in that an image to an effect that transmission has already been completed is printed in printing the image data previously transmitted.

6. The image data receiving apparatus of claim 4, wherein the printing operation of the image data previously transmitted is different from that of image data previously not transmitted, in that when image data previously transmitted is received, image data which corresponds to the received image data and is previously received and stored in the image data storing means, is selectively erased.